

# BOARD OF SUPERVISORS

## Brown County

305 E. WALNUT STREET  
P. O. BOX 23600  
GREEN BAY, WISCONSIN 54305-3600



E-Mail [BrownCountyCountyBoard@co.brown.wi.us](mailto:BrownCountyCountyBoard@co.brown.wi.us)

PHONE (920) 448-4015 FAX (920) 448-6221

### "PUBLIC NOTICE OF MEETING"

Pursuant to Section 19.84 Wis. Stat., notice is hereby given to the public that the following meetings will be held

**THE WEEK OF FEBRUARY 22-26, 2010.**

#### MONDAY, FEBRUARY 22, 2010

- |                       |  |   |
|-----------------------|--|---|
| * 8:30 a.m.           | Community Options Program Planning     | Board Room B<br>Sophie Beaumont Bldg.<br>111 N. Jefferson St. |
| * 6:00 p.m.           | Land Conservation Subcommittee         | Room 161—UW Extension   |
| * 6:30 p.m. (approx.) | Planning, Development & Transportation | 1150 Bellevue Street  |

#### TUESDAY, FEBRUARY 23, 2010

- |             |                                     |   |
|-------------|-------------------------------------|---|
| * 3:30 p.m. | Criminal Justice Coordinating Board | Truttman Room<br>Law Enforcement Center<br>300 E. Walnut Street |
|-------------|-------------------------------------|---|

#### WEDNESDAY, FEBRUARY 24, 2010

- |             |                          |   |
|-------------|--------------------------|---|
| * 6:00 p.m. | Human Services Committee | Room 200—Northern Bldg.<br>305 E. Walnut Street |
|-------------|--------------------------|---|

#### THURSDAY, FEBRUARY 25, 2010

- |             |  |   |
|-------------|--|---|
| * 8:30 a.m. | Aging & Disability Resource Center   | ADRC of Brown County<br>300 S. Adams Street     |
| * 3:00 p.m. | Lower Fox River and Green Bay Shoreline Waterfront<br>Redevelopment Steering Committee | Green Bay Yacht Club<br>100 Bay Beach Road      |
| * 3:00 p.m. | Planning Commission Board of Directors<br>Chapter 21 Subdivisions Ordinance Revision   | Room 200—Northern Bldg.<br>305 E. Walnut Street |
| * 5:30 p.m. | Administration Committee   | Room 200—Northern Bldg.<br>305 E. Walnut Street |

#### FRIDAY, FEBRUARY 26, 2010

(No Meetings)

#### **\*Agendas Enclosed**

Any person wishing to attend who, because of a disability, requires special accommodation, should contact the Brown County Human Resources Office at 448-4065 by 4:30 p.m. on the day before the meeting so that arrangements can be made.

## COMMUNITY OPTIONS PROGRAM PLANNING COMMITTEE MEETING

Monday, February 22, 2010 – 8:30 a.m. - Sophie Beaumont Building - 111 North Jefferson Street,  
Green Bay, Wisconsin – Board Room B

1. Meeting called to order
2. Roll call
3. Modification/approval of agenda
- \* 4. Modification/approval of minutes of January 25, 2010
5. Election of COP Committee chair
6. Reports
  - A. Current status of COP funding
  - \* B. Money expenditures by target group and wait list data
7. Ongoing Family Care Update
8. **Closed session**--Pursuant to 19.85(l)(f) considering financial, social and/or personal history of specific persons, which if discussed in public would be likely to have a substantial adverse effect on the reputation of the persons referred to—
9. Roll call vote for closed session
- \* 10. COP Exceptional Expense requests
11. Any other business authorized by law

\* Indicates materials are included in packet mailing

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LAND CONSERVATION SUBCOMMITTEE

Norb Dantine, Chair  
Dave Kaster, Vice Chair

Bernie Erickson, Mike Fleck, Dan Haefs, Norbert Vande Hei(FSA)

**LAND CONSERVATION SUBCOMMITTEE**

**Monday, February 22, 2010  
6:00 p.m. (PD&T to Follow)  
Room 161, UW-Extension  
1150 Bellevue Street**

- I. Call meeting to order.
  - II. Approve/modify agenda.
  - III. Approve/modify minutes of Land Conservation Subcommittee of December 28, 2009.
1. Review and Approve 2009 Land and Water Conservation Department Annual Report and 2010 Annual Work Plan.
  2. Update on Grants application for Great Lakes Restoration Initiative:
    - a. Baird Creek Riparian Protection Project RFP - **\$377,354**.
    - b. Improving Water Quality with FGD Gypsum in Green Bay's Lower Fox River - **\$597,218**.
    - c. Improving Water Quality in Lower Fox River – Green Bay TMDL by reduction of Soil Phosphorus levels by relocation of animal waste from high phosphorus fields to low phosphorus fields. - **\$537,389**.
    - d. West Shore Green Bay Northern Pike Habitat Project - **\$395,815** - Jim Jolly
  3. Land and Water Conservation Department Monthly Budget Update (copy will be provided at meeting).
  4. Wildlife Damage Control Program donations – Jon Bechle.
    - a. Wisconsin Deer Donation (Hunt for the Hungry).
    - b. Damage Claims.
    - c. Green Bay Authorized Bow Hunt.
  5. Ozaukee County Resolution.
  6. Wisconsin Land and Water Conservation Association Request for \$800 special assessment.
  7. Budget Adjustment Request (#10-09): Increase in expenses with offsetting increase in revenue.
  8. Director's report.
  9. Such other matters as authorized by law.

Norb Dantine, Chair

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## PLAN, DEV. & TRANS. COMMITTEE

Bernie Erickson, Chair  
Mike Fleck, Vice Chair  
Norbert Dantinne, Dave Kaster, Dan Haefs

### **PLANNING, DEVELOPMENT & TRANSPORTATION COMMITTEE**

**Monday, February 22, 2010  
Approx. 6:30 p.m. (To follow Land Con mtg.)  
Room 161, Ag & Extension Center  
1150 Bellevue Street**

- I. Call Meeting to Order.
- II. Approve/Modify Agenda.
- III. Approve/Modify Minutes of the January 25, 2010.
1. Review minutes of:
  - a) Harbor Commission (January 11, 2010).
  - b) Lower Fox River and Green Bay Shoreline Waterfront Redevelopment Steering Committee meeting (November 11, 2009).
  - c) Planning Commission Board of Directors (December 2, 2009).
  - d) Planning Commission Board of Directors Chapter 21 Subdivisions Ordinance Revision SubCommittee (July 30, 2009).
  - e) Solid Waste Board (January 18, 2010).

#### **Carryovers**

2. Planning, Development & Transportation Division 2009 to 2010 Carryover Funds.

#### **Airport**

3. Director's Report.

#### **UW-Extension**

4. The New 4-H SET (Science, Engineering, and Technology) Project.
5. 2009 Annual Report.
6. Budget Adjustment Request (#10-16): Increase in expenses with offsetting increase in revenue.
7. Director's Report.

#### **Port and Solid Waste**

8. Grant Application Review (#10-03): Cat Island Restoration Project.
9. Incineration Update.
10. Grant Application Review (#10-04): Environmental Cap Renard Island.
11. Renard Island Closure – Causeway discussion update (referred from January meeting).
12. Environmental Consultant #1387 RFP Scoring – Request for Approval.
13. Director's Report.

### **Highway**

14. Highway Budget to Actual 2009 and 2010
15. Resolution Designation the Week of April 19<sup>th</sup> through April 23<sup>rd</sup> as "Work Zone Safety Awareness Week" in Brown County in 2010.
16. Director's Report

### **Highway/Planning Commission**

17. Updates on CTH GV (standing item).

### **Planning and Land Services**

18. Planning Update on Eastside Property Development.

### **Land Information**

19. Grant Application Review (#10-02): USGS Non-Competitive Assistance FY 2010 – Eastern Region for Aerial Photography Project.
20. Budget Adjustment Request (#10-17): Increase in expenses with offsetting increase in revenue: LiDAR Imagery and Elevation Mapping Grant.
21. Budget Adjustment Request (#10-18): Increase in expenses with offsetting increase in revenue: U.S. Geological Society Non-Competitive Assistance FY 2010 – Eastern Region for Aerial Photography Project.

### **Planning Commission**

22. Budget Adjustment Request (#10-04) for Wisconsin DNR Water Quality Management Grant for Wetland Identification Pilot Project using Color Infrared Imagery.
23. Budget Adjustment Request (#10-05) for Environment Impact Statement (EIS) for Transportation Improvements in the Southern Portion of the Green Bay Metropolitan Area.
24. Resolution re: Authorizing an Application for a Wisconsin Community Development Block Grant for Economic Development from the Wisconsin Department of Commerce.

### **Property Listing** – No items.

### **Zoning**

25. Discussion and action regarding implementation of the POWTS maintenance program (referred to staff at 12/28/09 meeting to report back in 60 days).

### **Register of Deeds** – No agenda items.

### **Other**

26. Audit of bills.
27. Such other matters as authorized by law.

Bernie Erickson, Chair

### **Attachments**

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Judge Kendall Kelley

Captain John Jadin

## **CRIMINAL JUSTICE COORDINATING BOARD**

**Tuesday, February 23, 2010**

**3:30 p.m.**

**Truttman Room, Law Enforcement Center**

**300 E. Walnut Street**

1. Call Meeting to Order.
2. Approve/Modify Agenda.
3. Approve/Modify Minutes of January 26, 2010.
4. Report from the District Attorney Regarding Drug Prosecution (D.A. John Zakowski).
5. Community Drug Education Programs (D.A. John Zakowski).
6. Nature of Response to County Board Request for Research and Report Regarding Drug Problem in Brown County.
7. OWI Law Changes (Judge Kelley).
8. Such other matters as authorized by law.
9. Adjourn.

Judge Kendall Kelley, Chair

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### HUMAN SERVICES COMMITTEE

Patrick Evans, Chair  
Steve Fewell, Vice Chair  
Julie Knier, Patrick Moynihan Jr., Pat La Violette  
Tom Lund, Jesse Brunette

### HUMAN SERVICES COMMITTEE

Wednesday, February 24, 2010

6:00 p.m.

Room 200, Northern Building  
305 E. Walnut Street, Green Bay

### REVISED

- I. Call Meeting to Order.
- II. Approve/Modify Agenda.
- III. Approve/Modify Minutes of January 27, 2010.

### Comments from Public

### Report from Human Services Chair, Patrick Evans

1. Review Minutes of:
  - a. Aging & Disability Resource Center Board (January 28, 2010).
  - b. Children with Disabilities Education Board (January 27, 2010).
  - c. Community Options Program Planning Committee (January 25, 2010).
  - d. Veterans' Recognition Subcommittee (February 9, 2010).

### Communications

2. Communication from Supervisor Scray re: Review Brown County requirements of ID when applying for any Social Services from the County. Discuss the possibility of making Brown County requirements of ID stricter to prevent fraud. (Held from January Meeting.)
3. Communication from Supervisor Evans re: To address concerns with the Brown County Sheriff's Department and local Law Enforcement Agencies on the EM-1 placement of patients as it relates to the Crisis Center and the Community Treatment Center. Additionally to develop a county-wide plan for all Law Enforcement Agencies to abide by with accordance to enhanced safety and efficiency procedures. (Held from January Meeting.)
4. Communication from Supervisor Lund re: To rename a portion of the Brown County Community Treatment Center in honor of Barbara Bauer, a long-time advocate for mental health care reform.
- #4a. Communication from Supervisor Nicholson re: Review the cost of savings of Adult Family Homes.
- #4b. Communication from Supervisor Brunette re: To offer free admission to the NEW Zoo and the Neville Public Museum on May 1<sup>st</sup> and 2<sup>nd</sup> to all Brown County foster families to celebrate and recognize them during National Foster Care Month.

### Carryovers

5. 2009-2010 Carryover - HHS

**Health Dept.**

- 6. Director's Report.
- #6a. Discussion re: 2011 Budgets with Composite Levy Increase of Zero Dollars. (Referred from Exec Committee)

**Human Services Dept.**

- 7. EM-1 Matters.
- 8. Anti-Fraud Report.
- 9. Director's Report.
- 10. Family Care Update.
- 11. Community Treatment Center Update.
- 12. Community Treatment Center Statistics.
- 13. Bellin Psychiatric Monthly Report.
- 14. Approval for New Non-Continuous Vendor.
- 15. Request for New Vendor Contract.
- 16. Monthly Contract Update.
- 17. Financial Report for Community Programs.
- 18. Financial Report for Community Treatment Center.
- 19. Budget Adjustment Request (#09-153): Increase in expenses with offsetting increase in revenue. (See attachment.)
- 20. Budget Adjustment Request (#09-154): Increase in expenses with offsetting increase in revenue. (See attachment.)
- 21. Budget Adjustment Request (#09-155): Increase in expenses with offsetting increase in revenue. (See attachment.)
- 22. Budget Adjustment Request (#09-156): Increase in expenses with offsetting increase in revenue. (See attachment.)
- 23. Budget Adjustment Request (#09-159): Increase in expenses with offsetting increase in revenue. (See attachment.)
- 24. Budget Adjustment Request (#10-14): Increase in expenses with offsetting increase in revenue. (See attachment.)
- #24a. Discussion re: 2011 Budgets with Composite Levy Increase of Zero Dollars. (Referred from Exec Committee)

**Aging & Disability Resource Center**

- 25. Revenue & Expense Report Pre-Audit of 12/31/2009
- #25a. Discussion re: 2011 Budgets with Composite Levy Increase of Zero Dollars. (Referred from Exec Committee)

**Syble Hopp School**

- #25b. Discussion re: 2011 Budgets with Composite Levy Increase of Zero Dollars. (Referred from Exec Committee)

**Veterans Dept.**

- #25c. Discussion re: 2011 Budgets with Composite Levy Increase of Zero Dollars. (Referred from Exec Committee)

**Other**

- 26. Audit of Bills.
- 27. Such other Matters as Authorized by Law.

Patrick Evans, Chair

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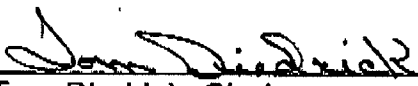
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**AGING & DISABILITY RESOURCE CENTER OF BROWN COUNTY  
BOARD OF DIRECTOR'S MEETING  
THURSDAY, FEBRUARY 25, 2010 AT 8:30 A.M.  
ADRC OF BROWN COUNTY  
300 S. ADAMS ST. GREEN BAY WI 54301**

**AGENDA**

- Pledge of Allegiance
1. Adoption of Agenda
  2. Introductions
  3. Approval of the minutes of the regular meeting of January 28, 2010
  4. Finance Report:
    - A. Approval of pre-audit 2009 finance report
    - B. Approval of January 2010 finance report
    - C. Approval of January restricted funds
    - D. Request from American Red Cross for \$8,000
    - E. Request to discontinue providing work permits
  5. Mental Health Parity Update
  6. Nutrition Program Report
  7. Approval of Functional Screen Quality Policy
  8. History/Review of Mission & Values
  9. I&A Update
  10. Legislative Update
  11. Director's Report
  12. Nominations Committee Report
  13. Election of Officers:
    - A. Chairperson
    - B. Vice-Chairperson
    - C. Secretary
    - D. Treasurer
  14. Announcements
  15. Next meeting date – March 25, 2010
  16. Adjourn

  
Tom Diedrick, Chairperson  
Aging & Disability Resource Center  
of Brown County

Notice is hereby given that action by the Committee may be taken on any of the items which are described or listed in this agenda.

Any person wishing to attend, who because of a disability requires special accommodation, should contact the ADRC of Brown County Office at (920) 448-4300 two days before the meeting so that arrangements can be made.

ADRC Vision: "Building a community that values, empowers, and supports seniors, adults with disabilities and their caregivers"

**AGENDA**  
**LOWER FOX RIVER AND GREEN BAY SHORELINE WATERFRONT**  
**REDEVELOPMENT STEERING COMMITTEE MEETING**  
**Brown County Planning Commission**  
**Thursday, February 25, 2010**  
**Green Bay Yacht Club**  
**100 Bay Beach Road**  
**Green Bay, Wisconsin**  
**3:00 p.m.**

**Committee Members**

Jessica Beckendorf		Rick Ledvina	
Paul Blindauer		Derek Lord	
Penny Dart		Neil McKloskey	
Cheryl Detrick		Jeff Mirkes	
Erin Hanson		Ken Pabich	
Dean Haen		Charles Pelky	
Carol Karls		Michael Telzrow	
Rick Koffler		Aaron Schuette	
Steve Kubacki		Nic Sparacio	
Chuck Lamine		Mark Walter	

**ORDER OF BUSINESS**

1. Welcome – Mr. Rick Koffler – Green Bay Yacht Club Commodore.
2. Review/action regarding revised November 11, 2009, meeting minutes.
3. Review/discussion of Draft Chapter 1: Introduction.
4. Discussion of common interview themes.
5. Review/discussion of Draft Land Use Inventory and Land Use/Shoreline Connections exercise.
6. Plan completion timeline update.
7. Set next meeting date and location.
8. Adjourn.

ANY PERSON WISHING TO ATTEND WHO, BECAUSE OF A DISABILITY, REQUIRES SPECIAL ACCOMMODATION SHOULD CONTACT THE BROWN COUNTY HUMAN RESOURCES OFFICE AT 448-4065 BY THE DAY BEFORE THE MEETING SO ARRANGEMENTS CAN BE MADE.

**AGENDA**  
**BROWN COUNTY PLANNING COMMISSION BOARD OF DIRECTORS**  
**CHAPTER 21 SUBDIVISIONS ORDINANCE REVISION SUBCOMMITTEE**

Thursday, February 25, 2010  
Northern Building  
305 E. Walnut St., Room 200  
Green Bay, WI  
3:00 p.m.

**ROLL CALL:**

Bill Bosiacki	_____	Dennis Reim	_____
Graham Callis	_____	Peter Schleinz	_____
David Chrouser	_____	Michael Soletski	_____
Norbert Dantine, Jr.	_____	Michael Vande Hei	_____
Pat Ford	_____	Andrew Vissers	_____
Pat Kaster	_____	Jim Wallen	_____
Chuck Lamine	_____		

1. Approval of the January 28, 2010, Chapter 21 Subdivisions Ordinance Revision Subcommittee meeting minutes.
2. Review Planned Unit Developments definition suggestions for the following:
  - a. Traditional neighborhood development
  - b. Cluster development
  - c. Row housing
  - d. Common property
  - e. Mixed use
  - f. Innovative development
3. Review and action regarding Variances (s. 21.81).
4. Follow-up discussion regarding 40 acre land divisions.
5. Geotechnical study and report requirements.
6. Electronic submittal process.
7. Other matters.
8. Confirm upcoming meeting scheduled for March 25 at 3:00 p.m.
9. Adjourn.

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### ADMINISTRATION COMMITTEE

Tom Lund, Chair  
Jack Krueger, Vice Chair  
Patty Hoeft, Tony Theisen, Andy Williams

### ADMINISTRATION COMMITTEE

Thursday, February 25, 2010

5:30 p.m.

Room 200, Northern Building  
305 E. Walnut Street

- I. Call to order.
  - II. Approve/modify agenda.
  - III. Approve/modify minutes of January 28, 2010.
1. Review of Minutes
    - a. Housing Authority (January 11, 2010).

### Communications

2. Communication from Supervisor Lund re: To refer to Administration that any employee who would voluntarily submit to a yearly health assessment and maintains a proper weight and level of fitness would be eligible for reimbursement regardless of affiliation with a health club. (Held for one month.)
3. Communication from Supervisor Knier re: Adopt a resolution requiring a salary study for each position and candidate filled by appointment. (Held for one month.)
4. Communication from Supervisor Knier re: Require Human Resources to provide cost of living adjustments based on location when providing comparable salary numbers. (Held for one month.)
5. Communication from Supervisor Nicholson re: Review the funding of the Housing Authority. (Referred from February County Board.)

### Carryovers

6. 2009-2010 Carryover – Admin

### Resolutions

7. Resolution to Designate Brown County, Wisconsin as a Recovery Zone for Purposes of the American Recovery and Reinvestment Tax Act of 2009.

### Child Support

8. Discussion re: 2011 budgets with composite levy increase of zero dollars (referred from Exec Cmte)
9. Budget Adjustment Request (#10-19): Increase in expenses with offsetting increase in revenue.
10. Budget Adjustment Request (#10-22): Increase in expenses with offsetting increase in revenue.
11. Budget Status Financial Report for November, 2009.

### **County Clerk**

12. Discussion re: 2011 budgets with composite levy increase of zero dollars (referred from Exec Cmte).

### **Treasurer**

13. Discussion re: 2011 budgets with composite levy increase of zero dollars (referred from Exec Cmte).

### **Human Resources**

14. Discussion re: 2011 budgets with composite levy increase of zero dollars (referred from Exec Cmte)
15. Extension of M3 Insurance Solution Contracts.
16. RFP for Brown County Medical, Dental and Pharmacy Benefit Services.
17. Human Resources Activity Report for January 2010.
18. Director's Report.

### **Corporation Counsel**

19. Discussion re: 2011 budgets with composite levy increase of zero dollars (referred from Exec Cmte)

### **Information Services**

20. Discussion re: 2011 budgets with composite levy increase of zero dollars (referred from Exec Cmte)
21. Budget Adjustment Request (#10-15): Increase in expenses with offsetting increase in revenue.
22. Director's Report.

### **Dept. of Administration**

23. Discussion re: 2011 budgets with composite levy increase of zero dollars (referred from Exec Cmte)
24. Certificate of Achievement for Excellence in Financial Reporting.
25. 2009 & 2010 Budget Adjustment Log.
26. Grant Application Approval Log.
27. ARRA Funds Report.
28. Director's Report.

### **Facility & Park Management**

29. Discussion re: 2011 budgets with composite levy increase of zero dollars (referred from Exec Cmte)
30. Budget Adjustment Request (#10-10): Increase in expenses with offsetting increase in revenue.
31. Budget Adjustment Request (#10-21) (See attached).
32. Director's Report.

### **Other**


33. Audit of bills.
34. Such other matters as authorized by law.

Tom Lund, Chair

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# FEBRUARY 2010



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			Public Safety 5pm	Ed & Rec 5:30pm		
	1	2	3	4	5	6
7	Executive Cmte 6:00 pm	Vets' Recognition 5:15pm				
	8	9	10	11	12	13
 14	15	16	EMS 1:30pm Board of Supervisors 7:00 p.m.	Facility Master Plan 5:15 pm.		
			17	18	19	20
21	Land Con 6pm Plan Dev & Trans 6:30 pm	Criminal Justice Coord Bd 3:30pm	Human Svc Cmte 6pm	Admin 5:30 pm		
	22	23	24	25	26	27
28						

# MARCH 2010



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			Public Safety 5pm	Ed & Rec 5:30pm		
	1	2	3	4	5	6
7	Executive Cmte 6:00 pm	Vets' Recognition 5:15pm				
	8	9	10	11	12	13
14	15	16	Board of Supervisors 7:00 p.m.	Facility Master Plan 5:15 pm.		
			17	18	19	20
21	Land Con 6pm Plan Dev & Trans 6:30 pm		Human Svc Cmte 6pm	Admin 5:30 pm		
	22	23	24	25	26	27
28	29	Criminal Justice Coord Bd 3:30pm	30			
			31			

## **BROWN COUNTY COMMITTEE MINUTES**

- **Harbor Commission (January 11, 2010)**
- **Library Board (January 21, 2010)**
- **Lower Fox River and Green Bay Shoreline Waterfront  
Redevelopment Steering Committee (November 11, 2009)**
- **Solid Waste Board (January 18, 2010)**

**To obtain a copy of Committee minutes:**

**[http://www.co.brown.wi.us/minutes\\_and\\_agendas/](http://www.co.brown.wi.us/minutes_and_agendas/)**

**OR**

**Contact the Brown County Board Office or the County Clerk's Department**

## PORT AND SOLID WASTE DEPARTMENT

*Brown County*

2561 SOUTH BROADWAY  
GREEN BAY, WI 54304

PHONE: (920) 492-4950 FAX: (920) 492-4957

Approved:  
2/18/10

CHARLES J. LARSCHEID

PORT AND SOLID WASTE DIRECTOR

### PROCEEDINGS OF THE BROWN COUNTY HARBOR COMMISSION

A meeting was held on Thursday, **January 11, 2010**, 11:30am., at Holiday Inn – City Centre, Green Bay, WI. The meeting was officially called to order by President McKloskey at 11:30am.

1. Roll Call:

Present: President Neil McKloskey  
Vice-President Tom Van Drasek  
Commissioner Hank Wallace  
Commissioner Bill Martens  
Commissioner John Hanitz  
Commissioner Craig Dickman  
Commissioner John Gower (arrived at 11:40am)  
Commissioner Bernie Erickson (left at 12:52pm)

Excused: Commissioner Ron Antonneau

Also Present: Charles Larscheid, Brown County Port & Solid Waste  
Dean Haen, Brown County Port & Solid Waste  
Terry Peterson, AECOM  
Staci Goetz, AECOM  
Scott Matejor, City of Green Bay  
Joe Costello, Resident

2. Approval/Modification – Meeting Agenda

**A motion was made by Craig Dickman and seconded by Hank Wallace to approve the agenda.** Unanimously approved.

3. Approval/Modification – December 21, 2009 Meeting Minutes

**A motion to approve the December 21, 2009 meeting minutes was made by Tom Van Drasek and seconded by John Hanitz.** Unanimously approved.

4. Strategic Plan Subcommittee – Update

Tom Van Drasek asked if any of the Harbor Commissioners had comments on the draft Strategic Plan. No comments were expressed by the Commission. The next subcommittee meeting will be on January 25, 2010 to begin developing goals and objectives as related to the identified strategic themes.

5. Intermodal Port Feasibility Study (first year report) – Dr. Ray Hutchinson, UW-Green Bay

In May 2008 the Port of Green Bay and the University of Wisconsin – Green Bay (UWGB) held an outreach session that included government officials, local businesses, landowners and transportation stakeholders. Attendees were generally supportive of creating a marine transportation connection using the St. Lawrence Seaway to help alleviate congested freight lanes and provide global access for Wisconsin users. An intermodal terminal is an engine of growth for the regional economy, it can help reduce transportation costs, improve global access to new markets and aid the region's economy through the use of a sustainable and environmentally responsible transportation network. An improved transportation system increases the competitive advantage of existing businesses and provides new opportunities for new economic innovations.



The introduction of containerized freight to the Great Lakes and establishment of a new intermodal freight facility at the Port of Green Bay is viewed as an important first-step for the revitalization of the area. With a grant from the Great Lakes Marine Research Institute (GLMRI) at UW-Superior and UM-Duluth, UW-Green Bay has been working with area agencies and businesses to study the feasibility of introducing containerized freight to the Port of Green Bay. Our first year research tasks included an analysis of potential freight flow, conducting an on-line survey and personal interviews. Focus group sessions were scheduled with area manufacturing and transportation firms and provided valuable feedback on shipping activities of several firms and desired preference to ship from the Port of Green Bay. Analysis focused on commodities produced within a 200-mile catchment area surrounding the Port of Green Bay. The revised strategy has been to identify specific commodities originating from beyond this region that must be shipped to coastal ports which might better be directed through the Port of Green Bay. In the coming year, UW-Green Bay expects to refine the freight flow analysis and to present state-of-the-art mappings of the case study information. The study will include other supply chains that can be directed through the Port of Green Bay. The study will also identify potential terminal size, location, and other requirements, as well as building the necessary partnerships among shippers, carriers, and local agencies to establish the network support services, equipment supply and service delivery to realize global operations. Recent communication between the Port of Green Bay and Canadian National concerning future cooperation in the development a new intermodal facility is an important first step in this process.

6. Transfer of 217 Funds for Past Port Expenditures – Request For Approval

Discussion ensued on whether some Port expenses were under funded. When the balance sheets of the two departments were separated, the account balances were shown as they should be, had the accounting errors over the past several years not occurred. Therefore, the Port shows a deficit of \$452,000 through the end of 2008 and Solid Waste has been made whole. Staff reviewed for the Commission, from the beginning, as to how they arrived at the current shortfall and explained the new accounting system and how the balance sheets are now set up separately. McKloskey argued that when the County Board merged the two departments, they allowed the two departments to commingle their funds and now eight years later are asking the Port to pay on an 8-year-old debt. Staff maintained that it was not the County Board but errors in accounting that caused the problem. McKloskey stated Finance works for the County Board and their agents are representing the principals. The Commission requested an explanation as to why it was never questioned as to why Solid Waste was paying the Port's expenses. Staff explained that due to the large amount of money in the P&SW budget, it was not obvious that the Port side was running deficits. Discussion continued on who is responsible for the \$452,000 to make the Port whole. Staff feels that if the Port does not transfer the funds, the Solid Waste Board and County Board will see it as being asked to pay for activities outside of their area. The Commission expressed their displeasure in being put in this position at this time, however, most felt this was not the result of a conscious decision but rather a failure to pay attention to detail and was not policy related. If staff is confident that this money was for harbor expenses, then the Commission has an obligation to transfer the money from the 217 account to make the Port whole. The Commission went on to say that the Port as an enterprise fund is responsible for their bills and that this issue needs to be accepted and resolved so the Commission and staff can move forward. Discussion confirming that all these expenses are in fact the Port's was discussed and agreed upon. A transfer of \$452,000 from the 217 fund would leave a balance of \$1.3M. Reimbursement of legal fees at 80% was also discussed.

**A motion was made by Craig Dickman to accept staff recommendation and authorize transfer of money from 217 funds to the Harbor to balance the books to make up for the shortfall of \$452,000. Motion was seconded by Tom Van Drasek.** Motion passed. President McKloskey and Commissioner Gower voted against the motion; Commissioner Erickson was not present at the time of the motion). Also noted by Commissioner Dickman that he felt this was one of the least appealing motions that he has made since being on the Commission but that the books need to be balanced and the Commission needs to move forward.

7. Bay Port Long-term Care & Closure Cost Estimates - Update

A balance sheet, done by Robert E. Lee & Associates, with revised calculations for long-term care and closure was reviewed. BayPort should be able to be closed the same way as Renard Island; that being with dredged material rather than a cap which was originally proposed. The 217 Agreement ends in year 20; however, Brown County will still have three years' of dredge material to manage after the Agreement ends. Finance has recommended money be put into a deferred O&M fund for management of BayPort during these last three years. The long-term care fund currently has \$145,000 which staff believes may be sufficient. The closure costs were originally estimated at several million dollars, however, using dredge material rather than capping brings that cost down to \$117,000, in today's

market. Staff will work with Robert E. Lee and administration to reallocate 217 funds to adequately fund all needs and consider funding a deferred O&M and bring a proposal for funding future Bay Port needs to the Commission's for approval.

8. Bay Port Sediment Sampling Results – Update

Staff reviewed a letter from Foth received in December on sediment sampling to determine the quality of the dredge material at Bay Port for the ultimate cap of Renard Island. Various cells were sampled and came back very homogeneous. In the closure plan for Renard Island, the WDNR has set criteria which must be met for using the dredge material. Sediment sampling closure plan limits are shown in Table 1. The contaminants of concern are PCBs and mercury. The test results for these and other contaminants of concern are within the limits of the closure plan. Table 2 shows how many times the required criteria have been met for the 11 samples. Lead is now the main item of concern. Staff is meeting with the WDNR next Tuesday.

9. Public Relations 2010 Task & Timeline – Request For Approval

A timeline was prepared by Leonard & Finco outlining proposed public relations efforts/activities for 2010, one being the 2010 Tall Ships Festival. **A motion approving the public relations task and timeline for 2010 was made by Hank Wallace and seconded by Tom Van Drasek.** Unanimously approved.

10. U.S. Army Corps of Engineer's Renard Island Causeway Design & Cost Estimates

As directed by the Commission in January, staff met with representatives of the City of Green Bay relating the Commission's desire to approve a plan at the February Harbor Commission meeting for the Renard Island causeway. Commission President McKloskey and staff, along with representatives of the City of Green Bay, will update the Planning, Development & Transportation (PD&T) Committee on January 25, 2010. The Harbor Commission will entertain comments and requests from Green Bay as to how the final causeway design chosen affects their future plans for recreation on Renard Island. The plan is to have the final causeway recommendation to the USACE discussed and approved by the Harbor Commission and PD&T in February and the County Board in March.

**A motion to suspend the rules was made by Hank Wallace and seconded by Bernie Erickson.** Unanimously approved.

Scott Matejor, City of Green Bay, explained the City's interest in future recreation on Renard Isle.

**A motion to return to regular session was made by John Gower and seconded by Craig Dickman.** Unanimously approved.

**A motion to suspend the rules was made by John Gower and seconded by Hank Wallace.** Unanimously approved.

Joe Costello, resident, expressed that today's problem areas such as Renard Island may be a future useful area to be enjoyed by the public and encouraged the Commission to keep that in mind when making decisions.

**A motion to return to regular session was made by Craig Dickman and seconded by Tom Van Drasek.** Unanimously approved.

11. 2007 Port Security Grant Reimbursement – Update

2007 Port Security grant information was presented and placed on file.

12. Director's Report

Director Larscheid explained that the Port and Solid Waste Department is in the process of selecting an engineering consultant via a Request for Proposal which will go to the County Board for approval in March.

13. Audit of Bills – Request for Approval

..... Unanimously approved.

14. Tonnage Report

The Port tonnage is down 18% for the year with December having only 5 ship arrivals delivering 40,000 tons of cargo. Discussion ensued on the Asian carp issue and the Great Lakes with staff indicating they support stopping the Asian carp but by using means that do not close the waterways in Illinois as is being suggested by some.

15. Such Other Matters as are Authorized by Law  
There were no other matters to discuss.

16. Adjourn  
**A motion to adjourn was made by Hank Wallace and seconded by Tom Van Drasek.** Unanimously approved.  
Meeting adjourned at 1:20pm.

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Neil McKloskey, President  
Harbor Commission

Charles Larscheid, Director  
Port & Solid Waste Department

## PROCEEDINGS OF THE BROWN COUNTY LIBRARY BOARD

A meeting was held on **January 21, 2010 at 6:00 p.m.** in the **Board Room** of the **Brown County Central Library, 515 Pine Street, Green Bay WI**

**PRESENT:** TERRY WATERMOLEN, DENISE BELLMORE, MONICA GOLOMSKI, JOHN HICKEY, PAUL KEGEL, KATHY PLETCHER, TONY THEISEN

**EXCUSED:** CARLA BUBOLTZ

**ALSO PRESENT:** LYNN STAINBROOK, MARY RYAN, LORI DENAULT, SUE LAGERMAN, CURT BEYLER, (staff); DAVID SACHS, ERIC BAUMAN, ERIC SIEBERS (Boldt Engineering) and NICK DOUGLAS (citizen).

President Terry Watermolen called the meeting to order at 6:00 p.m. and welcomed new board member, Monica Golomski. Monica is actively involved in several Ashwaubenon committees and was recommended to the Library Board by former board member, Mike Aubinger.

### APPROVAL/MODIFY AGENDA

There were no modifications to the agenda. Motion by Kegel, seconded by Pletcher, to approve the agenda. Motion carried.

### MINUTES, BILLS AND COMMUNICATIONS

There being no changes or modifications, the December 17, 2009 meeting minutes stand approved.

Lori Denault reported that the bills did not contain any out of the ordinary expenses.

No communications were received by the Board.

### OPEN FORUM FOR THE PUBLIC

Nick Douglas (Green Bay) was present and expressed an interest in sustainability.

### NOMINATING COMMITTEE REPORT/ANNUAL ELECTION OF OFFICERS

Denise Bellmore and John Hickey recommended the following slate: President: Terry Watermolen; Vice-President, Kathy Pletcher; Secretary, Carla Buboltz; and Financial Secretary, John Hickey. Aforementioned parties agreed to serve in these roles if elected. Additional nominations were called for three times. There were no other nominations. Motion by Theisen seconded by Kegel, to approve the following recommended slate: Terry Watermolen as President; Kathy Pletcher as Vice-President; Carla Buboltz as Secretary; and John Hickey as Financial Secretary. Motion carried unanimously.

### FACILITIES REPORT

a. **Boldt Engineering Report on the Ashwaubenon, Kress Family, Southwest and Weyers-Hilliard Branch Libraries.** David Sachs (Vice-President, Design Services), Eric Bauman (Project Architect) and Eric Siebers (Electrical Specialist) from Boldt Engineering presented on their findings from the assessment conducted on the Ashwaubenon, Kress Family, Southwest and Weyers-Hilliard Branch Libraries (the complete and final report can be viewed on the library's web site). It is their opinion that a wide range of issues exist with the facility. Some are major while others are moderate and some are minor. In order to provide a valuable comparison tool, the same point scoring system used for the Central Library's assessment, with an overall score of 1000 points possible, was used to assess each building's HVAC, electrical and plumbing systems; the building envelope, life safety and handicap accessibility compliance. Overall, there were a lot of positives and some issues that need attention. One common issue at all four branches was the lack of emergency lighting.

The Kress Family Branch Library built in 2003, received an overall rating of 84% which places it in the **good condition** category. It has some acoustic problems and is in need of a complete re-commissioning. The Ashwaubenon Branch Library, built in 1970's, received a rating of 61%, placing it in the **acceptable condition** category. The style of the building causes a natural snow and ice hazard; has some humidification problems and the bathrooms are not ADA compliant. The Southwest Branch Library, built in 1958, scored 65%, placing it in the **acceptable condition** category. It has had several upgrades (windows, roof, carpet, ceiling fire alarm) but lacks storage and adequate exit signs. The Weyers-Hilliard Branch Library, built in 2000, received a score of 82%, placing it in the **good condition** category. Challenges include leaking windows, cedar siding, sinking parking lot pavement and a lack of storage space.

A preventive maintenance plan would include short-term planning (1-5 years) and long-term planning (20 years). All branches are well maintained and have aged well. But there are a lot of improvements that could be made that would add substantial value and economically extend their lifespan.

Paul Kegel suggested prioritizing the short-term issues by dollar amount necessary to complete them. Some issues can and are being addressed at this time.

Lynn expressed appreciation to Boldt for their expertise and availability and that the firm was great to work with. Sachs also commented that he has worked with several clients but the pride in the Brown County libraries is very evident and made a difference in the work they conducted.

Discussion continued after the Boldt representatives left the meeting. Lynn would like to integrate the assessments, energy audit and Kress Solar Energy proposal to see how they fit and work together and then suggest what direction to move in at the next Board meeting. All were in agreement.

- b. **Solar Energy Project at Kress Family Library** Lynn distributed a draft of the project description to be used as support for fundraising. Randy Lawton is serving as the project manager. An intern from the De Pere chamber is working on a promotional piece. Lynn indicated that the group has really thought the project through and continues to be impressed with their enthusiasm. It is important to remember that this is not only a project that focuses on energy efficiency and renewable energy but one that will educate citizens about sustainability.
- c. **Energy Conservation Methods Update** Lynn and Curt just met with Bill Dowell and Nate Curell from Facilities. There is a \$50,000 grant available to the library to use for energy projects. The Direct Digital Controller was a previously authorized expenditure. There is a potential for additional cost savings if some of the ECMs are done at the same time including converting the variable inlet vane to VFD at Weyers-Hilliard; sealing duct leaks at the Kress and Ashwaubenon Branches; and improving the building envelope at Southwest. Re-commissioning Kress is the next priority but the grant may not pay for this. Since the Library Board has already approved the lamp replacement, Bill suggested that the grant pay for this up to \$11,000 and the Board would instead approve funding the re-commissioning of Kress. Curt added that the re-commissioning of Weyers-Hilliard was moved to a lower priority until the DDC was installed and a new assessment could be conducted to measure the differences. Motion by Pletcher, seconded by Golomski, to approve payment of the Kress re-commissioning from the library's regular maintenance budget instead of the re-lamping project since this can now be paid from the energy grant. Motion carried. Lynn will review the energy audit to see if there are any projects that could be covered by the energy grant.
- d. **Appoint East Branch Lease Review Committee** Terry reported that he and John Hickey are early in the discussion with the (new) owners. The branch is a high-demand branch and talks are underway.
- e. **Progress on RFP for Architectural Services- Appoint board member to serve on selection committee** Proposals were due at 4:00 on this day. Two non-mandatory walk-throughs were done with a total of 28 firms participating. A selection committee including Nate Curell, Bill Dowell, Adam Warpinski, Lynn and a board member will review the RFP and narrow the selection. That group will be interviewed. There is a possibility that the pre-design architect will become the architect for the project. Kathy Pletcher volunteered to serve on the selection committee. The right architect will have a major influence on the future of the library.

Curt followed up that additional emergency lighting and exit lighting is being worked on. An emergency contingency plan regarding the circuit breaker has been created.

#### **ACCOUNTANT'S REPORT**

- a. **Financial Report** A financial report was not available because the books were still open for 2009 and through January, 2010.
- b. **Acceptance of Gifts Grants and Donations** A report was not available.
- c. **Carryover Funds** A notice of budget carryover was sent to the Department of Administration. Motion by Bellmore, seconded by Pletcher, to authorize the carryover of funds in the non-lapsing library account and library contributions donation account. Motion carried.
- d. **Furlough Impact Discussion** Fred Mohr indicated at recent contract negotiations that a proposal regarding the 5 furlough days is close to being ready (but would have to be negotiated). He acknowledged that the library is different because of Library Board authority. Talks presented the options that staff could take these 5 days as floating furlough - 1 day per pay period; staff could use compensatory, vacation or casual time. A discomfort is that the

library's salary budget line is \$134,000 short based on an assumption that there will be unfilled, open positions and the funding for the furlough days. If this proposal allows the use of comp or vacation time, it will not save any money. If the furlough cannot be arranged, it is the opinion of the Library Board that the county has to put that money (approximately \$55,000) back in the budget. The funding needs to be there or other measures to make up the shortfall will have to be examined. The library's labor contracts guarantee a 37.5 hour work week. That language is binding and is a roadblock in enforcing the furlough days.

#### **NICOLET FEDERATED LIBRARY SYSTEM**

**a. Monthly Update** Denise Bellmore reported that the NFLS Board officers were elected. Kay Krall is President; Denise Bellmore is Vice-President; John Hickey is Treasurer and Cheryl Maxwell, Secretary. Rosetta Stern is a member at large. Rick Krumwiede was present and gave a report on OWLSnet but did not mention BCL. The board approved the Resource Library Agreement. There was an interest in knowing more about resource libraries. Lynn will present on what a resource library does for a library system. John commented that the Brown County representatives are all contributing and are working on educating the other counties about what Brown County should be receiving as a member of NFLS. OWLSnet has reached the point where they cannot sustain the services they provide and may have to reduce what they offer.

Terry suggested a policy for Continuing Education staff travel. This will be an agenda item in February. Denise wondered about required CE hours for staff. This idea will be explored.

The annual collection development grant was received from NFLS in the amount of \$47,206. This amount is based on population and is intended to build the collection. **Motion** by Kegel, seconded by Hickey to approve the Library Services Grant. **Motion carried.**

#### **INFORMATION SERVICES REPORT ON SERVICES RECEIVED**

Lynn reported that we have major issues the speed of the Internet on the public computers. Additional DSL connections will be installed but doesn't really compare to broadband speed. Preparatory steps are being made towards the migration to Sirsi/Dynix. A broad overview was outlined and a telephone meeting was held with the Sirsi/Dynix project manager.

The Board is very concerned about the slowness and connectivity of the wireless network. Kathy Pletcher will schedule a meeting with Bob Heimann to discuss these issues.

#### **PRESIDENT'S REPORT**

Per John VanderLeest, a meeting was held to discuss fundraising. Terry stressed the importance of having the support of the County Board and County Executive when it comes time to raise funds.

#### **DIRECTOR'S REPORT**

Lynn noted that this was her 24<sup>th</sup> Board meeting and what a pleasure it has been to work with this board and administrative staff. Library Legislative Day is February 16 in Madison. Board members were encouraged to attend as it is a good opportunity to speak to legislators and build support for libraries. A new arm of the Friends of the Library was created called Branch Buddies of the Brown County Library. They will oversee the ongoing branch book sales.

**Motion** by Pletcher, seconded by Hickey to recognize Paul Schierl and Kim La Plante for their service to the Library Board and to present them each with a Resolution of Appreciation. **Motion carried.**

#### **SUCH OTHER MATTERS AS ARE AUTHORIZED BY LAW**

None.

#### **ADJOURNMENT**

**Motion** by Pletcher, seconded by Golomski, to adjourn the meeting. **Motion carried.**  
The meeting adjourned at 8:30 p.m.

#### **NEXT REGULAR MEETING**

February 3, 2009  
Central Library  
6:00 p.m.

Respectfully submitted,  
John Hickey, Secretary  
Sue Lagerman, Recording Secretary

**(DRAFT) MINUTES  
LOWER FOX RIVER AND GREEN BAY SHORELINE WATERFRONT  
REDEVELOPMENT STEERING COMMITTEE MEETING  
Brown County Planning Commission  
3:00 p.m., Wednesday, November 11, 2009  
National Railroad Museum  
2285 S. Broadway  
Ashwaubenon, Wisconsin**

**Committee Members**

Paul Blindauer	<u>Exc</u>	Derek Lord	Exc
Penny Dart	Exc	Neil McKloskey	Exc
Cheryl Detrick	Exc	Jeff Mirkes	Exc
Erin Hanson (for Kristen Dufresne)	X	Jessica Beckendorf	X
Dean Haen	X	Ken Pabich	Exc
Rick Ledvina	X	Charles Pelky	Exc
Carol Karls	X	Michael Telzrow	X
Rick Koffler	X	Aaron Schuette	X
Steve Kubacki	X	Nic Sparacio	X
Chuck Lamine	X	Mark Walter	X

Also: Eric Fowle – East Central Regional Planning Commission, Scott Stein – Leonard & Finco Public Relations, Inc.

**ORDER OF BUSINESS**

1. **Welcome – Mr. Michael Telzrow – National Railroad Museum Executive Director.**  
Mr. Michael Telzrow, National Railroad Museum Executive Director welcomed the committee and provided a brief overview of the history of the National Railroad Museum.
2. **Review/action regarding September 30, 2009, meeting minutes.**  
M. Walter moved and R. Ledvina seconded a motion to adopt the minutes of the September 30, 2009, committee meeting as presented. Motion carried unanimously.
3. **Update on plan efforts to date.**
  - a. Land use update.
  - b. Public lands / access inventory.
  - c. Plan document compilation.
  - d. Stakeholder interviews.

A. Schuette provided the committee with an update on the listed efforts to date. Progress had slowed due to county budget issues taking precedence, however with the budget adopted, the public lands / access inventory, plan document compilation, land use update, and stakeholder interviews will be a primary work effort for BCPC staff over the next month.
4. **Fox River PCB remediation presentation – Mr. Scott Stein, Leonard & Finco Public Relations, Inc.**  
Mr. Scott Stein of public relations firm Leonard and Finco provided a presentation regarding the Fox River PCB remediation process and timeframe (approximately 9

years). Mr. Stein answered questions from the committee related to the project. A. Schuette asked about future use of the dewatering site. Mr. Stein stated that it has not yet been determined. D. Haen stated that the port would be interested in obtaining the property. D. Haen stated his concern regarding the potential limitation of future port expansion due to the armored capping of contaminated sediments at the current channel depth of 26'. Discussion ensued regarding how Brown County can utilize Great Lakes Restoration Initiative funding to implement the plans in place and the plan being developed. The committee thanked Mr. Stein for his presentation.

**5. Fox-Wisconsin Rivers Heritage Parkway plan presentation – Mr. Eric Fowle, Executive Director, East Central Wisconsin Regional Planning Commission.**

Mr. Eric Fowle, Executive Director of the East Central Wisconsin Regional Planning Commission provided a presentation on an effort to designate the Fox and Wisconsin River corridors from Green Bay to Prairie du Chien as a National Heritage Parkway. Mr. Fowle noted that designation of the corridor as a National Heritage Parkway would have no impact on private property rights. The corridor would be of a similar designation as the Lake Michigan Circle Tour or Great River Road. The intent is to raise awareness of this unique natural and cultural resource and its importance to Wisconsin's history. The committee thanked Mr. Fowle for his presentation.

**6. Set next meeting date and location.**

R. Koffler stated the Green Bay Yacht Club would be willing to host the next meeting of the committee. The next meeting was set for 3:00 p.m. Thursday, January 21, 2010, at the Green Bay Yacht Club, located at 100 Bay Beach Road in Green Bay.

**7. Adjourn.**

C. Karls moved to adjourn. M. Walter seconded. Motion carried unanimously. Meeting adjourned at 4:30 p.m.



PORT AND SOLID WASTE DEPARTMENT

*Brown County*

2561 SOUTH BROADWAY  
GREEN BAY, WI 54304

PHONE: (920) 492-4950 FAX: (920) 492-4957

CHARLES J. LARSCHIED

PORT AND SOLID WASTE DIRECTOR

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**PROCEEDINGS OF BROWN COUNTY SOLID WASTE BOARD**

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A regular meeting was held on **January 18, 2010**, 1:30 p.m., at the Brown County Materials Recycling Facility, 2561 S. Broadway, Green Bay, WI.

1. Call to Order – meeting was called to order by Chair Strenski 1:30pm.

2. Roll Call

Present: Mike Strenski, Chair  
Jim Rasmussen, Vice-Chair  
Chuck Rhyner  
Norb Dantine  
Mike Fleck  
Bud Harris  
John Katers  
Allison Swanson (arrived at 1:35pm)  
Dawn Goodman

Also Present: Charles Larscheid, Brown County Port & Solid Waste Dept.  
Chad Doverspike, Brown County Port & Solid Waste Dept.  
Wess Damro, Brown County Port & Solid Waste Dept.  
Dale DeNamur, Brown County Purchasing  
Marc Hess, IEP Development  
Ben Meeuwsen, Fourinox  
Pete King III, OSGC  
Kevin Cornelius, OSGC  
Todd Parczick, Alliance Construction  
Tom Perock, Alliance Construction

3. Approval/Modification – Meeting Agenda

**A motion to approve the agenda was made by Norb Dantine and seconded by Mike Fleck. Unanimously approved.**

4. Approval/Modification – Meeting Minutes November 16, 2009

**A motion to approve the minutes with two minor changes (in Agenda Item #2 show Strenski as Chair and in Agenda Item #12 correct spelling of Rasmussen) was made by Norb Dantine and seconded by Mike Fleck. Unanimously approved.**

5. MRF Repair Bid #1393 Results Tabulation – Request for Approval

A handout was distributed outlining the details of the project which include removing MRF equipment and opening the area for future use. Staff noted that the 12' and 10' walls were not included in this amount bid but were shown as future repairs. Because this is a bid, the lowest qualified bid receives the award. An amount of \$80,000 was previously approved for these repairs. If approved by the Board, the bid would go before Planning, Development & Transportation (PD&T) and then the County

Board for final approval. The Board questioned whether the current tip floor may need to be expanded in the future. Staff indicated that although the space available may be tight at times, adequate contingency plans are in place. The Board also requested confirmation from staff that the contractors fully understood the scope of the work being requested in the bid. Staff confirmed the bid was thoroughly explained to all contractors. Lowering the floor where the semi-truck backs in to allow the loader to unload a full bucket each time reducing time and labor costs was questioned. Staff indicated although this was considered, the cost of \$350,000 to save only 10 to 15 minutes per load wasn't justified.

**A motion to award the bid to United Construction for Base Bid Add 6', Option 1 Ret. Wall and Option 2 Floor Repair was made by Allison Swanson and seconded by Chuck Rhyner. Unanimously approved.**

6. Brown County Electronics Collection

An email was sent to customers and urban people summarizing the 2010 electronics law. The current procedure at the Port & Solid Waste Department and how the new law affects the department were discussed. The current charge to Brown County residents is \$0.20 per pound for electronics. Businesses are charged \$0.40 per pound. At \$0.20 per pound the facility's disposal costs are covered, however, at \$0.40 per pound the disposal costs, labor and operating costs are covered. Electronics are 30% of the material collected at HHW (236,000# collected in 2009). As public awareness increases and legislation changes, the amount of electronics collected increases. Local governments are now responsible for providing education to their residents. The difference between covered electronic devices (CEDs) and eligible electronic devices (EEDs) as well as the guidelines for each was also explained. Effective September 1, 2010 any eligible EEDs are banned from being landfilled. The law does not have any language addressing charges for collection and there are no requirements in the law for hazardous waste facilities to collect electronics. Brown County's HHW can continue to accept electronics without any changes. Staff has discussed options with three companies. Lamp Recyclers, who is the current contractor, does not anticipate an increase in their rates and per the contract also takes the HHW facility's CFLs and batteries. A recycling company out of Minnesota works with manufacturers directly and can offer CEDs (residents & schools) free disposal. Non-CED and business electronics are \$0.14 per pound. In the EED category BC HHW has some materials that might have to cover under cost as well as anything from a non-resident or non-school. The third company is Universal Recycling Technologies (URT) who offers free disposal of CEDs and EEDs from residential and schools but has a cost for materials collected from businesses. Since business materials are under state contract that makes things easier for Brown County HHW.

BC HHW also has the option of going to a referral type program and get out of collection of electronics entirely. Lamp Recyclers, Best Buy, Milwaukee PC and BC HHW have all registered as collection spots in Brown County. Staff is recommending a 6-month contract with URT and piggyback on the state contract prices for business materials thus eliminating the need to go out for bid or proposal process. Staff also recommended maintaining the current contract with Lamp Recyclers for CFLs and batteries until it expires on 9/30/10 at which time a new bid could be put out these materials.

The Board asked what educational efforts are going to be made to the public. Staff indicated most information will be provided by the State but P&SW will be making our customers aware of the changes. Staff requested direction from the Board as to the role they want P&SW to play.

Collection of electronics at the Transfer Station would be difficult and staff suggested customers be referred. Staff reminded the Board that the HHW facility was originally started to collect hazardous and toxic waste and staff does not want the majority of staff time and space to be used for electronics. Although staff recommended the cost to residents be reduced to \$0.00, the Board expressed concern regarding reinstating a cost for disposal in the future should the facility realize operating costs are not being met. The Board requested the residential fee for electronics be kept at \$0.20 per pound but to go with the new contractor. The price can be adjusted as needed to cover disposal costs.

7. Oneida Seven Generation Corps Waste Gasification Initiative Negotiation & Approval Strategy

*– Request for Approval*

A memo included in the packet outlined the discussions which have taken place over the last year with the Oneida Seven Generation Corps (OSGC). Introduced were Pete King and Kevin Cornelius from OSGC, Marc Hess from IEP Development, as well as Tom Perock and Todd Parczick from Alliance Construction. Currently talks have stalled as Brown County's Purchasing Department policy indicates projects must go out for bid, RFP or RFQ. However in this situation, the project didn't seem to fall into any of these categories. Brown County Corporation Counsel was asked for his opinion on this as well as Purchasing. Fred Moore, Corporation Counsel for the County Board was also involved as the County Board establishes the requirements for contracted services. John Luetcher, Brown County Corporation Counsel gave his opinion that Brown County could side step the proposal and bid requirements with approval of contract guidance from the Solid Waste Board, PD&T and the Administrative Committee to begin negotiations with OSGC for this project. Any contract with OSGC would need approval from the Solid Waste Board, PD&T and County Board. The project would be designed, financed, constructed and operated by OSGC.

The project was explained to the Board by Pete King. OSGC is owned by the Oneida Tribe however business will be done as an entity. OSGC will work directly with Brown County. Brown County Executive Hinz, Outagamie County and Winnebago County have all been kept apprised of the project. A handout explaining the technical side of the project was distributed and explained in detail by Todd Parczick. The facility will run 24/7 and create 24 to 30 jobs per plant. OSGC is requesting 150 tons per day minimum be allocated to the project in order to make the project viable. The fuel sources are tires, waste, garbage, etc. heated in a chamber with no oxygen to 1600 degrees, pressurized, with no flame. The process has been tested and there are minimal to zero emissions. Landfill gas can be incorporated into it which eliminates the flare currently at the landfill. The existing scale at Transfer Station will be used and a facility will be built on adjacent property. A 5 megawatt project saves 140,000 cubic feet in the landfill annually. The end result is an 85% to 90% reduction in landfill volume and the end material is similar to fly ash from a coal fire plant but without the arsenic and is of a higher quality which has been accepted into concrete manufacturing. Although no commitment has been made on this project, OSGC's goal is to work in partnership with the County to create value for both.

Staff believes that Brown County will be able to work with Oneida within the guidelines of the Tri-County agreement. There are financial and operational risks which will be part of the negotiations. Theoretically ten years down the road OSGC may be the alternative to sighting another landfill. It is also feasible that waste materials currently in the landfill could be removed and used as fuel. Air quality issues were discussed and OSGC noted the system exceeds all California Clean Air Standards. Hobart has been involved in the talks and has been very supportive of the project; however, this has not gone to before the Hobart Board. Ashwaubenon, Town of Lawrence and Oneida have also been made aware of the project

**A motion was made by Allison Swanson and seconded by Dawn Goodman directing staff to continue negotiations with OSGC and bring back an agreement. Unanimously approved.**

A negotiating committee of Chad Doverspike, Chuck Larscheid, County Executive Assistant Jamie Sellen, Mike Strenski, Mike Fleck, Bernie Erickson and John Katers was formed.

8. Gas-to-Energy Facility – Update

The GTE Facility has been in operation since March 2009. Staff reviewed the highlights of the GTE operation from 2007 until present. Also presented was a side-by-side comparison of the original GTE design versus the actual design in place currently:

<i>Original</i>	<i>Actual</i>
Flow 1000 cfm	Flow 500 to 520 cfm
2 engines t 925 kw	2 engines at 700 kw
12 month estimated gross revenue to Brown County \$901,000	9 month actual gross revenue to Brown County \$618,000

The Feasibility Study showed a lower cost per kw rating which is a positive. A total of \$720,000 is anticipated for 2010 and staff is confident that amount will be reached.

Monitoring the entire landfill is performed two times per month, with certain wells being monitored done 2 or 3 times per week. Foth did an overall troubleshooting of the gas system and vacuum system and did not find any major design issues. Decreasing the size of the blower may decrease Brown County's electrical costs. Staff answered the Board's questions regarding how the additional items/work orders were being paid; why original estimates were so far off; and the anticipated payback period. Even though the net revenues are less than projected, the project will pay itself off and possibly still earn a profit.

9. Director's Report

- *Port Budget Adjustment*

Due to a joint unrestricted cash fund between Port and Solid Waste, it was discovered that the Port Department has, over several years, spent \$438,000 which was actually Solid Waste monies. The Harbor Commission approved repayment of these funds to the Solid Waste Department unrestricted cash fund.

- *Oil Filter Ban*

State of Wisconsin has passed a ban on oil filters from landfills. Associated Recyclers of Wisconsin (AROW) published a flyer indicating effective December 2010 oil filters will be banned from all landfills. This information will need to be passed onto Brown County's customers. Staff believes the private sector will be responsible for providing an alternative recycling option. Filters can be brought to the HHW facility.

- *Engineering Consultant*

The engineering consultant RFP is due January 19, 2010. The approvals needed for a new contract for an engineering consultant will not be in place prior to the current contract with Foth expiring in February 2010. Staff will negotiate with Foth to extend their current contract in the interim. Chuck Larscheid, Chad Doverspike and Mike Strenski agreed to serve on a committee to oversee the engineering consultant RFP. The winning RFP will be brought to the Solid Waste Board in February for review and approval. Approximately 10 engineering firms attended the walk-through.

- *Environmental Monitoring Quote*

This quote is for a laboratory analysis separate from the current consulting contract. Due 2/5/10, this quote will not require board approval. An internal committee of Chad Doverspike, Chuck Rhyner and Chuck Larscheid was formed.

- *MRF Clean-up*

All sorting equipment has been removed, except for the baler which will be kept for future use. Cleaning and repairs totaled \$46,400; work on the push wall/retaining wall and tip floor totaled \$37,000; repair and/or replacement of loading docks is estimated at \$18,000; cleaning and painting of the office area totaled \$2000. A fire alarm system is being installed and everything in the MRF will be brought up to code. Any additional money will be used for landscaping.

- *Recycling Intern*

Hired short-term recycling intern Zach Buege to put together information on social interactions to get recycling information out. To be more proactive.

- *Energy Efficiency Committee*

Brown County is presently looking at a grant opportunity to install in solar panels and/or windmills in County. Staff is also doing a feasibility study on investment of \$30,000 for a MET tower at the Brown County East Landfill to measure wind potential. Currently Brown County is paying electrical costs at the East Landfill since any electricity produced by the GTE facility is being sold. The above-mentioned grant requires that the windmill-produced electricity be used by the operating entity and not sold. The area around the East Landfill has one of the highest wind speeds in the County. Staff will keep the Board aware of any future developments.

- *DePere and Ashwaubenon Recycling*

The City of DePere has ended their agreement with One Source and is again bringing their commingled material to the MRF. The Village of Ashwaubenon is still under agreement with One Source but has asked Brown County about the possibility of bringing their single stream material to the Brown County MRF occasionally due to a backup or shutdown at One Source Recycling. In good faith, Brown County has agreed to accommodate Ashwaubenon but the non-contract rate will be used.

- *Greenhouse Gas Report*

A newly-released Environmental Protection Agency (EPA) rule requires each source of greenhouse gas to gather and report data, for landfills. Both of Brown County's landfills are affected under the new rule. Through 3/31/10 reporting is allowed using the best available methods but as of 4/1/10 data must be reported according to the EPA requirements. Staff attended a presentation on the requirements and believes Brown County is online with what is required.

- *Former Board Member*

Boyd Possin, a former board member passed away recently.

10. Such Other Matters as Authorized by Law

The Board asked the current status of the accounts in arrears discussed at a previous meeting. Staff indicated that although a judgment had been placed against Larry's hauling who owes Brown County over \$200,000; staff is not aware of any other action taken by Brown County Corporation Counsel.

11. Adjourn

**Motion to adjourn was made by Mike Fleck and seconded by Norb Dantine. Unanimously approved. Meeting adjourned at.**

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Mike Strenski, Chair  
Solid Waste Board

Charles Larscheid, Director  
Port & Solid Waste Department



# Project would turn city trash into energy

## Gasification technology is key in proposed plant

By THOMAS CONTENT  
tcontent@journalsentinel.com

Trash would be converted into electricity at Project Apollo, a renewable energy project proposed for Milwaukee's north side, developers said Tuesday.

Alliance Federated Energy announced plans to develop a \$225 mil-

lion renewable energy plant that would create 250 construction jobs and 45 full-time jobs. The first phase of the project is expected to be running by 2013.

The plant would use technology developed by Westinghouse Plasma Corp. of Madison, Pa., to convert the waste at high heat into a synthetic gas, or syngas. That, in turn, could be used as a fuel to generate power.

The first phase of the renewable energy facility is expected to process

about 1,200 tons of municipal and industrial waste per day. That would generate 25 megawatts of electricity, or enough to power roughly 20,000 typical homes, according to Alliance Federated Energy. A second phase is envisioned that would generate another 25 megawatts of power, company spokesman Josh Morby said.

Alliance is a Milwaukee-based company that focuses on developing

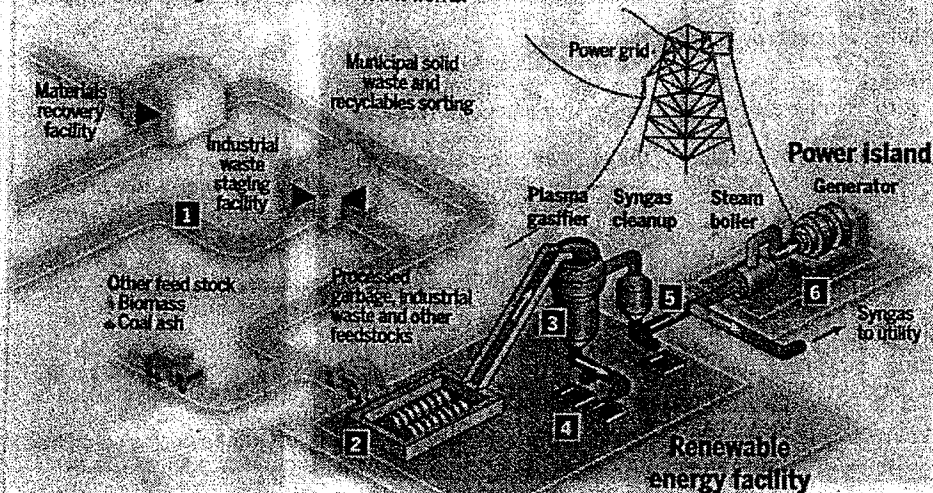
Please see **APOLLO. 7A**

FROM PAGE ONE • NATION

Wednesday, February 3, 2010 **7A**

## Power from trash

A \$225 million project proposed for Milwaukee would convert garbage to energy through a process known as plasma gasification. Here's how it works:



**1** Solid waste is delivered to the facility where recyclables are removed from the waste stream.

**2** The waste is then fed into a shredder and moves into the plasma gasifier vessel.

**3** Plasma torches use extreme heat to vaporize the waste. It is reduced to hydrogen and carbon monoxide to form "syngas."

**4** Anything that cannot be gasified forms a slag that can be recycled for use in construction materials.

**5** The gas cools and other by-products are removed, including sulfur, which can be sold commercially.

**6** The syngas then can be converted to fuel to generate electricity.

Source: Alliance Federated Energy

Graphic by: Lou Saldivar / lsaldivar@journalsentinel.com and Enrique Rodriguez / erodriguez@journalsentinel.com

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From page 1

## APOLLO

# City site possible for energy converter

and financing renewable energy projects. The company was founded in 2005, and Apollo is its first announced project.

The location of the project hasn't been announced, but the developer is planning to locate in Milwaukee.

Asked if the company is considering the former Tower Automotive site in Milwaukee, Morby said, "We have an option on a site that's approximately 25 acres on the north side of Milwaukee, but we're in discussions with the DNR on other potential brownfield sites in the city."

Alliance executives have met with representatives of the state's Office of Energy Independence to explore funding options for the project, Morby said.

"This commercially proven technology is the ultimate in recycling," Christopher Maloney, Alliance chief executive, said in a statement. "And we are pleased to be building our first project right here in Wisconsin, a state committed to promoting environmental stewardship and technological innovation."

Like many renewable energy developments, the project is small, and would generate less than 5% of the electricity being generated from the coal-fired power plant that We Energies opened Tuesday in Oak Creek.

The Apollo announcement was praised by Gov. Jim Doyle, who has been pushing development of more renewable energy in the state.

"We are pleased that AFE has selected Wisconsin for their first renewable energy project," Doyle said in a state-

ment. "This technology has real potential to help us address the growing need for clean renewable power. Project Apollo will create new clean energy jobs in our state, reduce the need for continued landfilling of our wastes, and reduce greenhouse gases."

Garbage-to-energy projects in the past have involved incinerators, which raise environmental concerns because of the pollutants released from incinerator smokestacks. But this project would not involve burning trash.

Instead, the process uses plasma, a highly ionized or electrically charged gas. Plasma torches similar to those used in some foundries are used to create intense heat, which then converts solid or liquid wastes into gas.

The company wants to pursue an agreement with an electric utility to buy the power that would be generated at the Milwaukee site.

Alliance said it has received initial commitments from Badger Disposal of Wisconsin to supply about 80% of the waste material needed for the energy project. Badger Disposal is an industrial waste management services company. Discussions are under way concerning the sale of the power and gas.

Alliance Federated Energy said it will work with Aecom Technology Corp., which will handle permitting for the project, as well as CorVal-Ryan, a Minnesota firm, to design and build the facility.

"We believe that plasma gasification technology has the potential to be a major player in the renewable energy market and are excited to be working with AFE on their Apollo Project," said Bob Cuthshall, president of CorVal-Ryan. "We have a number of plasma gasification-based renewable energy projects in design or under construction and see that number growing in the coming years."

Several plasma gasification facilities are operating around the world, but there are no commercial plants operating yet in the United States, Alliance spokesman Morby said.

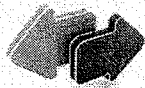
A large project using the technology has been pro-

***"This commercially proven technology is the ultimate in recycling."***

Christopher Maloney,  
Alliance Federated Energy CEO

posed to retrofit a Massachusetts coal-fired power plant to burn biomass in addition to coal. Other projects using the technology are in the planning stages in International Falls, Minn.; New Orleans; and Tallahassee, Fla.

Plasma gasification is also being used at an ethanol plant being developed by Illinois-based Coskata in Pennsylvania. In addition, several projects are in development in Asia, including a plant in Japan that converts metal left over from shredded cars into electricity. The technology can use fly ash created by the process of burning coal, as well as industrial waste or household trash, to create gas, Morby said.



# Solid Waste Management in the United States

| Harvey W. Gershman |

**Almost 40 years  
after Earth Day,  
AND STILL  
MORE TO DO.**



IN APRIL 1970, THE FIRST EARTH DAY DREW national attention to the environment. Sponsored by Senator Gaylord Nelson (D) of Wisconsin and Congressman Paul McCloskey (R) of California, the event drew an estimated 20 million demonstrators. Prompted by the publication of Rachel Carson's *Silent Spring*, rampant air and water pollution, the view of earth from the first moon landing and the widespread support for Earth Day, Congress established the U.S. Environmental Protection Agency in December 1970 with the mission of protecting human health and the environment.

In 1971 while a senior mechanical engineering college student, I, too, was inspired by Earth Day and led a project team to investigate reclamation of solid waste for a town of 20,000 people (Saugus, MA). The project won a national award, and I made the decision to focus my career on waste management. The changes I have witnessed in the solid waste industry over the past 40 years have been, for the most part, exhilarating and encouraging. Public policymakers who once never gave waste management issues a second look, now grant solid waste directors considerable time and attention. Once overlooked and bureaucratically isolated solid waste operators now receive the training and support necessary to deliver high level customer service as well as management accountability. Waste managers provide services to meet waste management needs now deemed important and manage budgets that are a growing percentage of a jurisdiction's budget. Planning has moved beyond anticipating next week's issues to preparing for the next generation—and increasingly, to awareness of the need

to create integrated, sustainable solid waste management systems. This article shares some observations on changes in solid waste management since the first Day and suggests what may lie ahead.

## A Change in Public Perception

The perception of waste has changed over the 40 years. Instead of being considered as having no value, there is now widespread public awareness that waste is comprised of multiple commodities with value—even as those market values tend to fluctuate. Perhaps even more important, source reduction, altering the design, manufacture, or use of products and materials to reduce the amount and toxicity of what gets thrown away—has also gained attention. Despite the inherent difficulties in measuring source reduction, it is positioned at the top of U.S. waste management hierarchy, and has led to major substitution and changes in packaging design, as well as changes in practices both at home and office to reduce waste. In addition, calls for product stewardship and sustainability have focused attention on the harmful effects of consumer waste and the need to reduce the environmental impact of products over their lifecycle. In its November 2009 decision to promote product stewardship, the National Association of Cities adopted a resolution calling for product responsibility for managing discarded product packaging, urging local and state governments to establish producer responsibility legislation.<sup>1</sup>

## Recycling

In 1970, we relied almost entirely on local transfer stations to recycle. Today, there are more than 10,000 material recovery facilities with an estimated daily throughput of more than 91,000 tons per day that process a wide range of recyclable materials for entry into the marketplace as raw material feed for new products. These facilities vary widely across

# 7



nation, depending on the materials they process and the technology and labor used to sort materials. Today, we also collect and process yard debris. In 2004, there were 3,474 yard trimmings facilities across the nation,<sup>3</sup> whereas in 1970 we had very few. More than half the nation's population now lives in states where legislation has discouraged the disposal of yard trimmings in the trash.<sup>4</sup>

Residential recycling collection services have evolved as well. The word "recycling" was hardly part of the popular lexicon in the 1970s. But during the 1980s and 1990s, many communities built a recycling collection and processing infrastructure that included curbside collection programs. More recently, communities have added single stream collection where no sorting is required. By 2007, more than 8,600 curbside recycling collection programs were reported, with the most extensive curbside collection occurring in the Northeast.<sup>5</sup> About 50 percent of curbside programs were single stream in 2007, according to one industry survey, which estimated that 62 percent of the U.S. population is now served by curbside recyclables collection.<sup>6</sup> For residents without curbside collection, drop-off centers collect residential recyclables. One report estimated that more than 20,000 communities have drop-off centers, including some communities that also have curbside collection.<sup>7</sup>

In 1970, only 6.6 percent of municipal solid waste (MSW) was recovered for recycling, a number that rose to 9.6 percent in 1980 and 16.2 percent in 1990.<sup>8</sup> During the last decade, recovery of recyclable materials from MSW has increased from 69.3 million tons in 2000 (29 percent of total generation) to 85 million tons in 2007 (33.4 percent of generation).<sup>9</sup> However, in recent years, this national recycling rate has reached a plateau, compared with major increases in the 1990s when many communities built or expanded their recycling infrastructure.<sup>10</sup> Much of this plateau can be attributed either directly or indirectly to economic factors. Budget pressures on state and local governments have led to their inability to sustain high levels of public education, resulting in less consumer participation in recycling programs, especially in the growing number of multifamily housing complexes<sup>11</sup> and in communities that do not offer single stream recycling collection. Many public places and offices do not offer recycling, even though the number of beverage containers and other recyclables is a significant portion of the waste stream in parks, event venues and offices.

### Energy Recovery from Solid Waste

In addition to recycling and composting, waste is being converted to beneficial use for its energy content, about half the value of coal on a weight basis. Burning MSW with energy recovery, generally steam or electricity, (referred to as waste-to-energy or WTE) has matured into a safe, effective and environmentally acceptable technology. The proven, basic types of MSW combustion technologies include mass-burn/waterwall combustion, mass-burn/starved air combustion, refuse-derived fuel/dedicated boiler and refuse-derived fuel/fluidized bed. Today, there are about 90 WTE facilities in the United States handling approximately 13 percent of our waste stream and generating more than 17 billion kilowatts of electricity a year, enough to power 2 million homes.<sup>12</sup>

The most recently built MSW-processing WTE facility in the U.S. commenced operations in 1996. Meanwhile, existing WTE facility expansions are occurring in Baltimore, MD; Hillsborough County, FL; Lee County, FL; Honolulu, HI; Olmsted County, MN; and Pope/Douglas Counties, MN. New projects are being developed in Frederick County, MD; Harford County, MD; Palm Beach County, FL; and the U.S. Virgin Islands.

Ando Torrax Gasifier in Niagara, NY

Black Clawson Hydropulper in Franklin, OH

CEA Eco-Fuel in Bridgeport, CT

GarbOil in San Diego, CA

Monsanto Pyrolysis in Baltimore, MD

Union Carbide Oxygen Pyrolysis in Charleston, WVA

Refuse-Derived Fuel (RDF) for electric utility boilers in St. Louis, MO; Milwaukee, WI; Rochester, NY; and Chicago, IL

**Table 1**

Alternative technologies in the 1970s and early 1980s.

Gershman, Brickner & Bratton, Inc. December 2009.

### Landfilling

In addition to waste that is recycled, composted or converted to steam or electricity, 54 percent of the nation's waste is buried in the more than 1,700 highly engineered and regulated sanitary landfills in the United States, with the South and West having the largest number.<sup>13</sup> Another MSW disposal method, mixed-waste composting, which starts with unsorted MSW, removes large items as well as ferrous and other metals, and composts the remaining, mostly organic materials, such as paper, food scraps, yard trimmings, wood and other material. In 2007, there were 16 mixed waste composting facilities in the United States.

Given how far we have come since that first Earth Day, what does the future hold for solid waste management?

### Back to the Future: Alternative Technologies

A number of alternative technologies are currently under development for the treatment and disposal of MSW. Most of these involve thermal processing but others use biological or chemical decomposition of the organic fraction of the waste to produce compost, chemical feedstocks or energy products. The technologies include pyrolysis, gasification, anaerobic digestion, mixed waste composting, plasma arc and chemical decomposition.<sup>14</sup>

A word or two of caution before we get too excited about these developments: the late 1970s and 1980s saw the emergence of "dream technologies" that many hoped would revolutionize solid waste management. Many of us studied pyrolysis, gasification and plasma arc. We carefully watched as facility after facility attempting to use these technologies in a cost-efficient manner failed (see Table 1). These projects failed for various reasons. For example, in St. Louis, significant erosion in the coal-fired boilers from introducing RDF material from the RDF caused additional erosion in the air feeders and excess ash in the suspension-fired boilers. In San Diego, the pilot unit that demonstrated an ability to produce oil from waste did not scale up successfully and the oil produced contained excess water that lowered the heating value about 40 percent of what the pilot showed. In Baltimore, the pyrolysis facility never functioned as designed and again the attempt to scale up from a pilot plant to 1,000 TPD was unsuccessful.<sup>15</sup>

Recently, New York City and Los Angeles County cumulatively evaluated conversion technologies and found their service fee requirements to range from \$136 to \$900 per ton. These responses also included WTE technologies, but in comparison to the conversion technology responses were at the low end of the cost per ton spectrum. Since 1996 when the last green field WTE facility broke ground, no new commercial scale conversion technology facility has been implemented in the U.S. However, I am optimistic that a conversion technology will be brought to market successfully in the next three to five years.

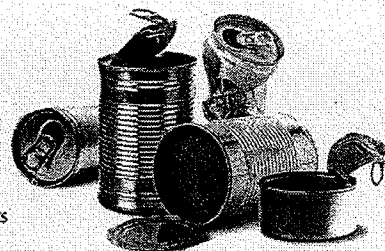
## Looking to the Future

As for recycling, the collection, processing and remanufacture of recyclable materials clearly has important economic and environmental benefits. The cost to collect and process a ton of recyclable materials is about 20 percent less than the cost to collect and dispose of a ton of MSW.<sup>17</sup> In addition, recycling creates jobs and increases revenues that benefit U.S. communities and their residents. According to the most recent data available, the U.S. hosts 56,061 recycling and reuse establishments that employ approximately 1.1 million people, generate an annual payroll of \$37 billion and gross \$236 billion in annual revenues.<sup>18</sup> Recycling has significant energy and environmental benefits; it is simply the best method to manage a majority of waste materials. It is now possible to document in a direct and quantifiable way that recycling saves energy and reduces greenhouse gas (GHG) emissions from primary production and

disposal, including virgin materials extraction, product manufacture and waste disposal.

Yet, recycling is not living up to its full potential. For many years, a wide range of industry groups have been separately engaged in the issues of recycling and product stewardship. While many companies and industries have taken leadership roles in building awareness of recycling, supporting educational and sponsorship efforts, and promoting and investing in the efficient and effective recovery of recyclable materials, these efforts have been fragmented. If recycling of municipal waste is to realize its full potential, now is the time for industry, businesses, government and consumers to come together to develop a unified national recycling policy framework with legislative initiatives at the national, state and local levels. This legislation must identify appropriate policy goals, incentives, funding mechanisms and accountability to realize the benefits of recycling. There is also a need to

The National League of Cities adopted a resolution calling for producer responsibility for managing discarded products and packaging.



Recycling has significant energy and environmental benefits; it is simply the best method to manage a majority of waste materials.





Today, there are more than 560 material recovery facilities with an estimated total daily throughput of over 91,000 tons per day that process a wide range of recyclable materials for re-entry into the marketplace as raw material feedstock for new products. Photo courtesy of GBB.

motivate consumers, businesses, organizations and governments to recycle—and recycle more—through education, promotion and incentives. WTE is an issue that divides our profession creating, at times, more friction than energy to recover. Some believe that recycling and WTE cannot coexist. Others see WTE as a menace to life and planet. Then there are those, such as myself, who regard recycling and WTE as complementary, relying on data showing that recycling rates are higher in communities with WTE facilities<sup>19</sup> and that WTE emissions are controllable and controlled, and that such plants can provide reliable disposal and renewable energy.<sup>20</sup>

This WTE debate is taking place more frequently in solid waste and political circles for several reasons. First, the Supreme Court has allowed local governments to apply flow control for publicly owned/controlled waste management assets such as WTE plants and landfills. Second, there is heightened interest in lessening the nation's dependence on imported oil and increasing domestic production of renewable energy. Third, we are increasingly concerned about decreasing our carbon footprint and lessening emissions of greenhouse gases to avert global warming.

The U.S. EPA reports that each person generates about 4.5 pounds of trash per day, or about 1,643 pounds per year.<sup>21</sup> The costs for 'cradle to grave' management of this waste, including costs for solid waste services and facilities, range from \$100 to \$400 per ton, or \$82 to \$329 per person per year. At the low end of this range is the cost for limited services, such as self-hauling waste and recyclables to a convenience center, while at the high end is the cost per person of a fully integrated solid waste management system. Is \$300 per person per year too much to spend, given the environmental benefits of reusing or recycling waste materials and recovering its energy value too? To put that cost into perspective—that is about the equivalent of one fast-food meal per week.

## Managing Waste

We need to manage our wastes better, including doing more to reduce the amount of waste generated in the first place and boosting our recycling rate. Current legislative initiatives are a step in the right direction. The Waxman-Markey Bill-American Clean Energy and Security Act of 2009 (ACESA)<sup>22</sup> indirectly promotes recycling as a means to address global warming. Executive Order 13514 – Federal Leadership in Environmental, Energy, and Economic Performance (2009)<sup>23</sup> calls on government agencies to study their greenhouse gas emissions and set targets to reduce them by 2020. In addition, the Executive Order establishes a 50 percent recycling goal, 50 percent diversion

of non-hazardous solid waste by the end of 2015 and using paper containing a minimum of 30 percent post-consumer content.

But we must do more. We need to work collaboratively to establish national goals such as recycling at least 50 percent of our waste, say by 2015; using the remaining waste for its energy value; and establishing economic incentives to encourage the domestic use of recyclable resources. Failure to act will result in a continuation of fragmented policies, recycling plateaus, and too much waste transported and buried in landfills that get further and further away from where waste is generated in the first place. It is only through a focused, joint effort that the vision of those first Earth Day demonstrators will be fully realized. **HW**

*Harvey W. Gershman is President of Gershman, Brickner & Bruton, Inc. (Fairfax, VA), a national solid waste management consulting firm that he co-founded in 1980. He has been active in the solid waste management field as an adviser to government and industry for more than 35 years. He has managed the preparation of many plan market studies, cost and feasibility analyses, contracts development and negotiation, contractor procurements and project financing activities for a broad range of collection services, recycling, waste-to-energy and other solid waste management technologies and services. Harvey specializes in providing strategic planning advice to solid waste service system managers and owners. In 1993, he received the SWANA Professional of the Year Award. Harvey can be reached at hgershman@gbblinc.com.*

## Notes

1. [www.productpolicy.org/ppi-update/national-league-cities-adopts-producer-responsibility-resolution](http://www.productpolicy.org/ppi-update/national-league-cities-adopts-producer-responsibility-resolution).
2. "Municipal Solid Waste in the United States," U.S. Environmental Protection Agency, 2007 Facts and Figures, page 146.
3. "The State of Garbage," BioCycle, April 2006.
4. "Municipal Solid Waste in the United States," U.S. Environmental Protection Agency, 2007 Facts and Figures, p.140.
5. *Ibid.*, p. 141.
6. AF&PA, "2007 AF&PA Community Survey Executive Summary," June 2008.
7. *Ibid.*
8. "Municipal Solid Waste in the United States," U.S. Environmental Protection Agency, 2007 Facts and Figures, p. 36.
9. "Municipal Solid Waste in the United States," U.S. Environmental Protection Agency, 2007 Facts and Figures, p. 100.
10. *Ibid.*, p. 80.
11. [www.census.gov/hhes/www/housing/census/historic/unics.html](http://www.census.gov/hhes/www/housing/census/historic/unics.html).
12. [www.energyrecoverycouncil.org/waste-energy-produces-clean-renewable-a2984](http://www.energyrecoverycouncil.org/waste-energy-produces-clean-renewable-a2984).
13. "Municipal Solid Waste in the United States," U.S. Environmental Protection Agency, 2007 Facts and Figures, pp. 153-155.
14. *Ibid.*, p. 148.
15. GBB tracks these alternative technologies and the more than 100 companies work to bring these technologies to market.
16. This plant was demolished and is the current site of Wheelabrator's BRESKO 2, ton-per-day WTE Facility.
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